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Title: Waveform and frame structure for fixed wireless loop synchronous CDMA communications system			
Application Number:	98812005	Application Date:	1998.11.16
Publication Number:	1281561	Publication Date:	2001.01.24
Approval Pub. Date:		Granted Pub. Date:	
International Classifi-cation:	G06F 11/10;H04B 15/00;H04J3/24;H04K1/00;H04L 1/02		
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Abstract

Disclosed is a method for transmitting information in a CDMA communication system including (a) multiplexing control information into a data stream; (b) encoding (54) the data stream to form a stream of encoded I/Q symbol pairs; (c) inserting synchronization information into the stream of encoded I/Q symbols pairs; and (d) spreading the encoded pairs and the inserted synchronization information using a same pseudonoise (pn) spreading code (14e) prior to transmission. The preferred frame structure includes an unencoded synchronization field followed by a plurality of multi-byte fields (80A) are separated by a control message field (80B). Individual ones of the plurality of data fields (80A) are separated by a control message field (80B). Individual ones of the plurality of data fields contain a single byte of a multi-byte control message frame (82).

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